FIG. 1 CSG1

```
GCCAGGCAGCTGGCTGCCSACCAGGCCGTGTATGTGAAGGTCAAGGCTGAAGCCCGGGAA
A  R  Q  L  A  A  X  Q  A  V  Y  V  K  V  K  A  E  A  R  E

CTGCTGGGCCACCCGTGGTCTCTGTGTCCTGTCTGTGGGTGCCAACTCACCACCTTTGAT
L  L  G  H  P  W  S  L  C  P  V  C  G  C  Q  L  T  T  F  D

GGGGCCCGTGGTGCCACCACTCTCCTGGTGTCTATGAAGCTCTCTTCCCGCTGCCCAGGA
G  A  R  G  A  T  T  L  L  V  S  M  K  L  S  S  R  C  P  G

CTACAGAATACCATCCCCTGGTACCGTGTAGTTGCCGAAGTCCAGATCTGCCATGGCAAA
L  Q  N  T  I  P  W  Y  R  V  V  A  E  V  Q  I  C  H  G  K

ACGGAGGCTGTGGGCCAGGTCCACATCTTCTTCCAGGATGGGATGGTGACGTTGACTCCA
T  E  A  V  G  Q  V  H  I  F  F  Q  D  G  M  V  T  L  T  P

AACAAGGGTGTGTGGGTGAATGGTCTCCGAGTGGATCTCCCAGCTGAGAAGTTAGCATCT
N  K  G  V  W  V  N  G  L  R  V  D  L  P  A  E  K  L  A  S

GTGTCCGTGAGTCGTACACCTGATGGCTCCCTGCTAGTCCGCCAGAAGGCAGGGGTCCAG
V  S  V  S  R  T  P  D  G  S  L  L  V  R  Q  K  A  G  V  Q
GTGTGGCTTGGAGCCAATGGGAAGGTGGCTGTGATTGTGAGCAATGACCATGCTGGGAAA
V  W  L  G  A  N  G  K  V  A  V  I  V  S  N  D  H  A  G  K

CTGTGTGGGGGCCTKTGGAAAATTTGACGGGGGACCAGACCAATGATTGGGATGATTCCC
L  C  G  G  L  W  K
AGGAGAAGCCAGCGATTGGGGAAWTGGAGAGCGCAGGGACTTTCTYCCMCATGTTAATGG

GCTTGWTCCAGTTCATCCCACCAGGAACGAAGGATTTT
```

FIG. 2A CSG2

```
CAGGACTGCGTGTGCACGGACAAGGTGGACAACAACACCCTGCTCAACGTCATCGCCTGC
Q  D  C  V  C  T  D  K  V  D  N  N  T  L  L  N  V  I  A  C

ACCCACGTGCCCTGCAACACCTCCTGCAGCCCTGGGTTCGAACTCATGGAGGCCCCCGGG
T  H  V  P  C  N  T  S  C  S  P  G  F  E  L  M  E  A  P  G

GAGTGCTGTAAGAAGTGTGAACAGACGCACTGTATCATCAAACGGCCCGACAACCAGCAC
E  C  C  K  K  C  E  Q  T  H  C  I  I  K  R  P  D  N  Q  H

GTCATCCTGAAGCCCGGGGACTTCAAGAGCGACCCGAAGAACAACTGCACATTCTTCAGC
V  I  L  K  P  G  D  F  K  S  D  P  K  N  N  C  T  F  F  S

TGCGTGAAGATCCACAACCAGCTCATCTCGTCCGTTTCCAACATCACCTGCCCCAACTTT
C  V  K  I  H  N  Q  L  I  S  S  V  S  N  I  T  C  P  N  F

GATGCCAGCATTTGCATCCCGGGCTCCATCACATTCATGCCCAATGGATGCTGCAAGACC
D  A  S  I  C  I  P  G  S  I  T  F  M  P  N  G  C  C  K  T

TGCACCCCTCGCAATGAGACCAGGGTGCCCTGCTCCACCGTCCCCGTCACCACGGAGGTT
C  T  P  R  N  E  T  R  V  P  C  S  T  V  P  V  T  T  E  V

TCGTACGCCGGCTGCACCAAGACCGTCCTCATGAATCATTGCTCCGGGTCCTGCGGGACA
S  Y  A  G  C  T  K  T  V  L  M  N  H  C  S  G  S  C  G  T
```

FIG. 2B CSG2

TTTGTCATGTACTCGGCCAAGGCCCAGGCCCTGGACCACAGCTGCTCCTGCTGCAAAGAG
F V M Y S A K A Q A L D H S C S C C K E

GAGAAAACCAGCCAGCGTGAGGTGGTCCTGAGCTGCCCCAATGGCGGCTCGCTGACACAC
E K T S Q R E V V L S C P N G G S L T H

ACCTACACCCACATCGAGAGCTGCCAGTGCCAGGACACCGTCTGCGGGCTCCCCACCGGC
T Y T H I E S C Q C Q D T V C G L P T G

ACCTCCCGCCGGGCCCGGCGTTCCCCTAGGCATCTGGGGAGCGGGTGAGCGGGGTGGGCA
T S R R A R R S P R H L G S G

CAGCCCCTTCACTGCCCTCGACAGCTTTACCTCCCCCGGACCCTCTGAGCCTCCTAAGCT

CGGCTTCCTCTCTTCAGATATTTATTGTCTGAGTTTTTGTTCAGTCCTTGCTTTCCAATA

ATAAACTCAGGGGGACATGCAAAAAAAAAAAAA

FIG. 3A CSG3

ATTGGTGCTACCTGGCTCTCCTGTCTCTGCAGCTCTACAGGTGAGGCCCAGCAGAGGGAG

TAGGGCTCGCCATGTTTCTGGTGAGCCAATTTGGCTGATCTTGGGTGTCTGAACAGCTAT

TGGGTCCACCCCAGTCCCTTTCAGCTGCTGCTTAATGCCCTGCTCTCTCCCTGGCCCACC

TTATAGAGAGCCCAAAGAGCTCCTGTAAGAGGGAGAACTCTATCTGTGGTTTATAATCTT

GCACGAGGCACCAGAAGTCTCCCTGGGTCTTGTGAATGAACTACATTTATCCCCTTTCCT

GCCCCAACCACAAACTCTTTCCTTCAAAGAGGGCCTGCCTGGTTCCCTCCACCCAACTGC

ACCATGAGATCGGTCCAAGAGTCCATTCCCCAGGTGGGAGCCAACTGTCAGGGAGGTCTT

TCCCACCAAACATCTTTCAGTTGCTGGGAGGTGACCATAGGGCTCTGCTTTTAAAGATAT

GGCTGCTTCAAAGGCCAGAGTCACAGGAAGGACTTCTTCCAGGGAGATTAGTGGTGATGG

AGAGGAGAGTTAAAATGACCTCATGTCCTTCTTGTCCACGGTTTTGTTGAGTTTTCACTC

TTCTAATGCAAGGGTCTCACACTGTGAACCACTTAGGATGTGATCACTTTCAGGTGGCCA

GGAATGTTGAATGTCTTTGGCTCAGTTCATCTAAAAAAGATATCTATTTGAAAGTTCTCA

FIG. 3B CSG3

GAGTTGTACATATGTTTCACAGTACAGGATCTGTACATAAAAGTTTCTTTCCTAAACCAT

TCACCAAGAGCCAATATCTAGGCATTTCCTCGGTAGCACAAATTTTCTNATTGCTTAGAA

AATTGTCCTCCCTGTTCTTTCTGTCTGNAGACTTAAGTGAGTTAGGTCTTTAAGGAAAGC

AACGCTCCTCTGAAATGCTTGTCTTTTTTCTGTTGCCGAAATAGCTGGTCCTTTTTCGGG

AGTTAGATGTATAGAGTGTTTGTATGTAAACATTTCTTGTAGGCATCACCATGAACANAG

ATATATTTTCTATTTANTTANTATATGTGCACTTCAAGAAGTCACTGTCAGAGAAATAAA

GAATTGTCTTAAATGTCATGATTGGAGATGTCCTTTGCATTGCTTGGAAGGGGTGTACCT

AGAGCCAAGGAAATTGGCTCTGGTTTGGAAAAATTTTGCTGTTATTATAGTAAACATACA

AAGGATGTC

FIG. 4 CSG4

```
ATGAGTCCTGTGAAAAACAATGTGGGCAGAGGCCTAAACATCGCCCTGGTGAATGGAACC
M  S  P  V  K  N  N  V  G  R  G  L  N  I  A  L  V  N  G  T

ACGGGAGCTGTGCTGGGACAGAAGGCATTTGACATGTACTCTGGAGATGTTATGCACCTA
T  G  A  V  L  G  Q  K  A  F  D  M  Y  S  G  D  V  M  H  L

GTGAAATTCCTTAAAGAAATTCCGGGGGGGTGCACTGGTGCTGGTGGCCTCCTACGACGAT
V  K  F  L  K  E  I  P  G  G  A  L  V  L  V  A  S  Y  D  D

CCAGGGACCAAAATGAACGATGAAAGCAGGAAACTCTTCTCTGACTTGGGGAGTTCCTAC
P  G  T  K  M  N  D  E  S  R  K  L  F  S  D  L  G  S  S  Y

GCAAAACAACTGGGCTTCCGGGACAGCTGGGTCTTCATAGGAGCCAAAGACCTCAGGGGT
A  K  Q  L  G  F  R  D  S  W  V  F  I  G  A  K  D  L  R  G

AAAAGCCCCTTTGAGCAGTTCTTAAAGAACAGCCCAGACACAAACAAATACGAGGGATGG
K  S  P  F  E  Q  F  L  K  N  S  P  D  T  N  K  Y  E  G  W

CCAGAGCTGCTGGAGATGGAGGGCTGCATGCCCCCGAAGCCATTTTAGGGTGGCTGTGGC
P  E  L  L  E  M  E  G  C  M  P  P  K  P  F

TCTTCCTCAGCCAGGGGCCTGAAGAAGYTCCTGCCTGCATTAGGAGTCANAGCCCGGCAG

GCTGNAGGAGGAGGAGCAGGGGGTGCTGCGTGGAAGGTGCTGCAGGCCTTGCACGCTGTG

TCGCGCCT
```

FIG. 5A CSG6

```
TGTCTACTCAAGGTATTTCACAACTTATGACACGAATGGTAGATACAGTGTAAAAGTGCG
 V  Y  S  R  Y  F  T  T  Y  D  T  N  G  R  Y  S  V  K  V  R

GGCTCTGGGAGGAGTTAACGCAGCCAGACGGAGAGTGATACCCCAGCAGAGTGGAGCACT
 A  L  G  G  V  N  A  A  R  R  R  V  I  P  Q  Q  S  G  A  L

GTACATACCTGGCTGGATTGAGAATGATGAAATACAATGGAATCCACCAAGACCTGAAAT
 Y  I  P  G  W  I  E  N  D  E  I  Q  W  N  P  P  R  P  E  I

TAATAAGGATGATGTTCAACACAAGCAAGTGTGTTTCAGCAGAACATCCTCGGGAGGCTC
 N  K  D  D  V  Q  H  K  Q  V  C  F  S  R  T  S  S  G  G  S

ATTTGTGGCTTCTGATGTCCCAAATGCTCCCATACCTGATCTCTTCCCACCTGGCCAAAT
 F  V  A  S  D  V  P  N  A  P  I  P  D  L  F  P  P  G  Q  I

CACCGACCTGAAGGCGGAAATTCACGGGGGCAGTCTCATTAATCTGACTTGGACAGCTCC
 T  D  L  K  A  E  I  H  G  G  S  L  I  N  L  T  W  T  A  P

TGGGGATGATTATGACCATGGAACAGCTCACAAGTATATCATTCGAATAAGTACAAGTAT
 G  D  D  Y  D  H  G  T  A  H  K  Y  I  I  R  I  S  T  S  I

TCTTGATCTCAGAGACAAGTTCAATGAATCTCTTCAAGTGAATACTACTGCTCTCATCCC
 L  D  L  R  D  K  F  N  E  S  L  Q  V  N  T  T  A  L  I  P
```

FIG. 5B CSG6

AAAGGAAGCCAACTCTGAGGAAGTCTTTTTGTTTAAACCAGAAAACATTACTTTTGAAAA
K E A N S E E V F L F K P E N I T F E N

TGGCACAGATCTTTTCATTGCTATTCAGGCTGTTGATAAGGTCGATCTGAAATCAGAAAT
G T D L F I A I Q A V D K V D L K S E I

ATCCAACATTGCACGAGTATCTTTGTTTATTCCTCCACAGACTCCGCCAGAGACACCTAG
S N I A R V S L F I P P Q T P P E T P S

TCCTGATGAAACGTCTGCTCCTTGTGCCTAATATTCATATCAACAGCACCATTCCTGGCA
P D E T S A P C

TTCACATTTTAAAAATTATGTGGAAGTGGGTAGGAGAACTGCAGTTGTCAATAGNCTAGG

GGTGAATTTTTGTGCGGTGAATAAATAATSATTTCANCCTTTTTTTGRTTTATAAAAAAA

CGGNTNCCCATTGGGNNTNTNGNGGGGGGGNNTTTTAA

FIG. 6 CSG7

```
AGTCGCTCTCCTAGCCCTTCTCTGTGCCTCACCCTCTGGCAATGCCATTCAGGCCAGGTC
 V  A  L  L  A  L  L  C  A  S  P  S  G  N  A  I  Q  A  R  S

TTCCTCCTATAGTGGAGAGTATGGAGGTGGTGGTGGAAAGCGATTCTCTCATTCTGGCAA
 S  S  Y  S  G  E  Y  G  G  G  G  G  K  R  F  S  H  S  G  N

CCAGTTGGACGGCCCCATCACCGCCCTCCGGGTCCGAGTCAACACATACTACATCGTAGG
 Q  L  D  G  P  I  T  A  L  R  V  R  V  N  T  Y  Y  I  V  G

TCTTCAGGTGCGCTATGGCAAGGTGTGGAGCGACTATGTGGGTGGTCGCAACGGAGACCT
 L  Q  V  R  Y  G  K  V  W  S  D  Y  V  G  G  R  N  G  D  L

GGAGGAGATCTTTCTGCACCCTGGGGAATCAGTGATCCAGGTTTCTGGGAAGTACAAGTG
 E  E  I  F  L  H  P  G  E  S  V  I  Q  V  S  G  K  Y  K  W

GTACCTGAAGAAGCTGGTATTTGTGACAGACAAGGGCCGCTATCTGTCTTTTGGGAAAGA
 Y  L  K  K  L  V  F  V  T  D  K  G  R  Y  L  S  F  G  K  D

CAGTGGCACAAGTTTCAATGCCGTCCCCTTGCACCCCAACACCGTGCTCCGCTTCATCAG
 S  G  T  S  F  N  A  V  P  L  H  P  N  T  V  L  R  F  I  S

TGGCCGGTCTGGTTCTCTCATCGATGCCATTGGCCTGCACTGGGATGTTTACCCCACTAG
 G  R  S  G  S  L  I  D  A  I  G  L  H  W  D  V  Y  P  T  S
CTGCAGCAGATGCTGAGCCTCCTCTCCTTGGCAGGGGCACTGTGATGAGGAGTAAGAACT
 C  S  R

CCTTATCACTAACCCCCATC
```

FIG. 7 CSG8

TAAACTTGCTGTTTTGTTCCTGTGTCTTGTCTTTGGTTGGTATTTCAGTAAGTTTTTGGT

ATTCTCAAATTTTATCTAAATGGATAAACTATTAACATAGAACATAAACCCCAATTCTCC

ATTTCATTTTTCTCTTAGGCATGAATCATACAAAACTCAATATAGAGCAATGTTTGTAAT

GAATTGTTCTATTAACAAAGAGGAGGTTCTAAGATATAAAGCCTCAGAGAACAGGAAGAA

AAGGCGGGTCCATAAGAAGATGAGGTCTAACCGGGAAGATGCTGCTGAGAAGGCAGAGAC

AGATGTGGAAGAAATCTATCACCCAGTCATGTGCACTGAATGTTCCACTGAAGTGGCAGT

TTACGACAAGGATGAAGTCTTTCATTTTTTCAATGTTTTAGCAAGCCATTCCTAAACAGC

CCAACTGGCATTTAATTACCCAATACTGTATATAAGGCAAATATGGACAGTTACTTTCCT

CTTGCCTGTTCATATCCTTCAGTGACATTGAGGAAGCAGTGTTTCTCTTTTTAAAGGGGA

ATAGTTGTCAACCTTCATTCATCTCTTACATCTTTCACCCTCTCCTTTTTTTTTTCTTTG

ATTTTCCCCCTTATTGATGGGACTGATATTCATTCTGTTTTTGATGAACATTTGGAAACT

GTCGGGCTTTTTATTAAAGCTCTGTAGAATTAAAATGTTCTGGAATTAT

FIG. 8 CSG9

```
CAGGAGGGAGAGCCTTCCCCAAGCAAACAATCCAGAGCAGCTGTGCAAACAACGGTGCAT

AAATAAGGCCTCCTGGACCATGAATGCGAGTCCGCTGAGCTGCGTACCGGAGCCCACGGT

GGTCATGGCTGCCAGAGCGCTCTGCATGCTGGGGCTGGTCCTGGCCTTGCTGTCCTCCAG
    M  A  A  R  A  L  C  M  L  G  L  V  L  A  L  L  S  S  S

CTCTGCTGAGGAGTACGTGGGCCTGTCTGCAAACCAGTGTGCCGTGCCAGCCAAGGACAG
 S  A  E  E  Y  V  G  L  S  A  N  Q  C  A  V  P  A  K  D  R

GGTGGACTGCGGCTACCCCCATGTCACCCCCAAGGAGTGCAACAACCGGGGCTGCTGCTT
 V  D  C  G  Y  P  H  V  T  P  K  E  C  N  N  R  G  C  C  F

TGACTCCAGGATCCCTGGAGTGCCTTGGTGTTTCAAGCCCCTGACAGGGAAGCAGGAATG
 D  S  R  I  P  G  V  P  W  C  F  K  P  L  T  G  K  Q  E  C

CACCTTCTGAGGCACCTCCAGCTGCCCCCCGGCCGGGGGATGCGAGGCTCGGAGCACCCT
 T  F  *

TGCCCGGCTGTGATTGCTGCCAGGCACTGTTCATCTCAGCTTTTCTGTCCCTTTGCTCCC

GGAAGCGCTTCTGCTGAAAGTTCATATCTGGAGCCTGATGTTTAACGTAGTCCCATGCTC

CACCCGAAAAAAAAAAAAAAAAAAAAAAA
```

FIG. 9A CSG10

```
AAGCTCTTCTCACAGGACCAGCCACTAGCGCAGCTCGAGCGATGGCCTATGTCCCCGCAC
                                                M  A  Y  V  P  A  P

CGGGCTACCAGCCCACCTACAACCCGACGCTGCCTTACTACCAGCCCATCCCGGGCGGGC
  G  Y  Q  P  T  Y  N  P  T  L  P  Y  Y  Q  P  I  P  G  G  L

TCAACGTGGGAATGTCTGTTTACATCCAAGGAGTGGCCAGCGAGCACATGAAGCGGTTCT
  N  V  G  M  S  V  Y  I  Q  G  V  A  S  E  H  M  K  R  F  F

TCGTGAACTTTGTGGTTGGGCAGGATCCGGGCTCAGACGTCGCCTTCCACTTCAATCCGC
  V  N  F  V  V  G  Q  D  P  G  S  D  V  A  F  H  F  N  P  R

GGTTTGACGGCTGGGACAAGGTGGTCTTCAACACGTTGCAGGGCGGGAAGTGGGGCAGCG
  F  D  G  W  D  K  V  V  F  N  T  L  Q  G  G  K  W  G  S  E

AGGAGAGGAAGAGGAGCATGCCCTTCAAAAAGGGTCCCGCCTTTGAGCTGGTCTTCATAG
  E  R  K  R  S  M  P  F  K  K  G  A  A  F  E  L  V  F  I  V

TCCTGGCTGAGCACTACAAGGTGGTGGTAAATGGAAATCCCTTCTATGAGTACGGGCACC
  L  A  E  H  Y  K  V  V  V  N  G  N  P  F  Y  E  Y  G  H  R
GGCTTCCCCTACAGATGGTCACCCACCTGCAAGTGGATGGGGATCTGCAACTTCAATCAA
  L  P  L  Q  M  V  T  H  L  Q  V  D  G  D  L  Q  L  Q  S  I

TCAACTTCATCGGAGGCCAGCCCCTCCGGCCCCAGGGACCCCCGATGATGCCACCTTACC
  N  F  I  G  G  Q  P  L  R  P  Q  G  P  P  M  M  P  P  Y  P
```

FIG. 9B CSG10

```
CTGGTCCCGGACATTGCCATCAACAGCTGAACAGCCTGCCCACCATGGAAGGACCCCCAA
  G  P  G  H  C  H  Q  Q  L  N  S  L  P  T  M  E  G  P  P  T

CCTTCAACCCGCCTGTGCCATATTTCGGGAGGCTGCAAGGAGGGCTCACAGCTCGAAGAA
  F  N  P  P  V  P  Y  F  G  R  L  Q  G  G  L  T  A  R  R  T

CCATCATCATCAAGGGCTATGTGCCTCCCACAGGCAAGAGCTTTGCTATCAACTTCAAGG
  I  I  I  K  G  Y  V  P  P  T  G  K  S  F  A  I  N  F  K  V

TGGGCTCCTCAGGGGACATAGCTCTGCACATTAATCCCCGCATGGGCAACGGTACCGTGG
  G  S  S  G  D  I  A  L  H  I  N  P  R  M  G  N  G  T  V  V

TCCGGAACAGCCTTCTGAATGGCTCGTGGGGATCCGAGGAGAAGAAGATCACCCACAACC
  R  N  S  L  L  N  G  S  W  G  S  E  E  K  K  I  T  H  N  P

CATTTGGTCCCGGACAGTTCTTTGATCTGTCCATTCGCTGTGGCTTGGATCGCTTCAAGG
  F  G  P  G  Q  F  F  D  L  S  I  R  C  G  L  D  R  F  K  V

TTTACGCCAATGGCCAGCACCTCTTTGACTTTGCCCATCGCCTCTCGGCCTTCCAGAGGG
  Y  A  N  G  Q  H  L  F  D  F  A  H  R  L  S  A  F  Q  R  V

TGGACACATTGGAAATCCAGGGTGATGTCACCTTGTCCTATGTCCAGATCTAATCTATTC
  D  T  L  E  I  Q  G  D  V  T  L  S  Y  V  Q  I
CTGGGGCCATAACTCATGGGAAAACAGAATTATCCCCTAGGACTCCTTTCTAAGCCCCTA

ATAAAATGTCTGAGGGTGTCTCAAAAAAAAAAAAAAAAAAA
```

FIG. 10 CSG11

```
GTTGATATTAAAACCAGTGAAACCAAACATGACACCTCTCTGAAACCTATTAGTGTCTCC
V  D  I  K  T  S  E  T  K  H  D  T  S  L  K  P  I  S  V  S

TACAACCCAGCCACAGCCAAAGAAATTATCAATGTGGGGCATTCCTTCCATGTAAATTTT
Y  N  P  A  T  A  K  E  I  I  N  V  G  H  S  F  H  V  N  F

GAGGACAACGATAACCGATCAGTGCTGAAAGGTGGTCCTTTCTCTGACAGCTACAGGCTC
E  D  N  D  N  R  S  V  L  K  G  G  P  F  S  D  S  Y  R  L

TTTCAGTTCCATTTTCACTGGGGCAGTACAAATGAGCATGGTTCAGAACATACAGTGGAT
F  Q  F  H  F  H  W  G  S  T  N  E  H  G  S  E  H  T  V  D

GGAGTCAAATATTCTGCCGAGCTTCACGTGGCTCACTGGAATTCTGCAAAGTACTCCAGC
G  V  K  Y  S  A  E  L  H  V  A  H  W  N  S  A  K  Y  S  S
CTTGCTGAAGCTGCCTCAAAGGCTGATGGTTTGGCAGTTATTGGTGTTTTGATGAAGGTT
L  A  E  A  A  S  K  A  D  G  L  A  V  I  G  V  L  M  K  V
GGTGAGGCCAACCCAAAGCTGCAGAAAGTACTTGATGCCCTCCAAGCAATTAAAACCAAG
G  E  A  N  P  K  L  Q  K  V  L  D  A  L  Q  A  I  K  T  K
GGCAAACGAGCCCCATTCACAAATTTTGACCCCTCTACTCTCCTTCCTTCATCCCTGGAT
G  K  R  A  P  F  T  N  F  D  P  S  T  L  L  P  S  S  L  D

TTCTGGACCTACCCTGGCTCTCTGACTCATCCTCCTCTTTATGAGAGTGTAACTTGGATC
F  W  T  Y  P  G  S  L  T  H  P  P  L  Y  E  S  V  T  W  I
ATCTGTAAGGAGAGCATCAGTGTCAGTTCAGAGCAGTTGGCACAATTCCGGAGCCTTCTA
I  C  K  E  S  I  S  V  S  S  E  Q  L  A  Q  F  R  S  L  L

TCAAT
S
```

FIG. 11 CSG12

CGGCTCCGGGCGGGCGTGGCCAGTGACTAGAAGGCGAGGCGCCGCGGGACCATGGCGGCG
G S G R A W P V T R R R G A A G P W R R

GCGGCGGACGAGCGGAGTCCAGAGGCGAGAAGACGAGGAAGAGGAGGAGCAGTTGGTTCT
R R T S G V Q R R E D E E E E E Q L V L

GGTGGAATTATCAGGAATTATTGATTCAGACTTCCTCTCAAAATGTGAAAATAAATGCAA
V E L S G I I D S D F L S K C E N K C K

GGTTTTGGGCATTGACACTGAGAGGCCCATTCTGGCAATGGACAGCTGTGTCTTTGCTGG
V L G I D T E R P I L A M D S C V F A G

GGAGTATGAAGACACTCTAGGGACCTGTGTTATATTTGAAGAAAATGTTGAACATGCTGA
E Y E D T L G T C V I F E E N V E H A D

TACAGAAGGCAATAATAAAACAGTGCTAAAATATAAATGCCATACAATGAAGAAGCTCAG
T E G N N K T V L K Y K C H T M K K L S

CATGACAAGAACTCTCCTGACAGAGAAGAAGGAAGGAGAAGAAAACATAGGTGGGGTGGA
M T R T L L T E K K E G E E N I G G V E

ATGGCTGCAAATAAGGATATGGTTTCTCCCTTTGACCCAACAGGTTTGTTAACTTTTCTA
W L Q I R I W F L P L T Q Q V C

CCATGAAATTGAGGACGAGGAAGTGGTAGCTTTCAGCCCCGTTAAATCTTTGGATTTGGG

AGGGGGTGGGGTTTCAATG

FIG. 12 CSG13

GTGGCAGAAGAAAGATAGGTTGGAGACAATTGATTGCTCGATGATATAAAATGTTAAGTA

CCATGAATGNATGCTGTTAGGCTGGAATGCGCCAAGATAAAAGGTGGGGCATGGCATCAA

AAGGTAGGTCAACATATTAAATAATTCCATGTATTGAAATATCCAGAAAATATATAGACA

GATCTATAGAGATAGAAACTGGTCTGCCCAGGACTAGGGGTTGTCTAAGGATAAGGAGCT

TCTTTTTTGGATGGTGAAATAACCTAAAATATATTGTGCCATTGTTTGCACAACTTTGTG

GAATATATTAAAAACCGGTTAATTGTACTCACTAAAATGTCCTCCTTCTTAAATTTAAGC

TGTTTNCTGGACAAGAAAAAGGGAAAGNNACCAAGGGGNAAAAAATTTT

FIG. 13 CSG14

GCCCTGGGCTTTGGGGGGGTCCCAAACATGGTATGCAGAAATGTGATGGTTACAGGTCAG

TACAACCTCAGTCCTTAGAACCCCTCCACACTTCAGCTCTGCACCCACTTTCCTGTCATT

TATTTATATAGGACTGTAGTTTTTTTTAGTTCGAGAGCCTTTCGAAGCTTAATTTATATT

CTTTCTTTGTACCTTTTTTCTAAAATTACCAAAGATATTACACAAAGGTAAATTAATGTT

CTCTGTTTTATGCTTTATCTGATGGAGGCAAATATCCTCTTATTGTTGATCAAAGGGGGC

AAAAGAATTTAGAGGCAAATGAACAAGCGATAGGCTATTGCAACCTGAGAAAGAGAACTG

NTCCTTCCATCGTAAATTTAGNAGNCCAAGTAGGTAATGGGAACCAAAGTTGTTACTTTT

TTCTAGTAGTTATTTTTCCCTTTTTNNTTTTTGTGGTACCTCTTACAGNGNCCCAAAACT

CCATTCTCTTTAAAGGGGTTTTTATGGGGGGCTTACTGCAGGTTAAAAATTGGGGNCCAC

CATTTTTAAAGGGGGGCTACCAGAAGGGAGGGGGGTCCCCNTTNCNAAAAAAAAAAATTG